

53000 ^{KAB} ⁹⁻¹⁷⁻⁰¹	VARIANCE / FIELD CHANGE NOTICE	V/F No. 3 Page 1 of 1 Date: 9-17-01
WBS NO.: 53000-SOW-0003		
PROJECT TITLE: (SOW) Acid Chlorination Treatments of Re-Injection Wells.		
VARIANCE / FIELD CHANGE NOTICE (Include justification):		
Requirement:		
3864		
<ul style="list-style-type: none"> Administer 1069 gallons of acid treatment solution to IW-11 Conduct a post treatment performance test by injecting treated water into the well at a rate of 200 gpm for approx. 1-hour or until water levels have stabilized. 		
Variance:		
For the upcoming treatment at IW-11:		
<ul style="list-style-type: none"> Measure specific capacity while the well is being pumped for the collection of a pre-treatment groundwater sample. Reduce the volume of acid solution administered to IW-11 down to 1000 gallons by reducing the gallons of water used by 69 gallons. Do not conduct the post treatment performance test described on page 17 of the SOW. 		
Justification:		
<ul style="list-style-type: none"> Collecting a specific capacity measurement will be possible because a pump is available. The measurement will aid in interpreting the effectiveness of the treatment procedure. Reducing the volume of acid treatment solution used at IW-11 will allow the field crew to simplify field operations and use one large mixing tank. It was determined that it would be more cost effective just to install the downcomers and operate the well then it would be to inject using temporary hoses. 		
INFORMATION ONLY		
Requested By: Ken Broberg, ^{KAB}		9-17-01

X IF REQD	VARIANCE/FCN APPROVAL	DATE	REQD	X IF	VARIANCE/FCN APPROVAL	TE	DA
X	QUALITY ASSURANCE ^{B.S. White for Frank Thompson}	9/17/01	X	X	ARWNP Operations		
	DATA QUALITY MANAGEMENT		X		ARWNP Hydrogeology ^{William G. Hunter}		9/17/01
	ANALYTICAL CUSTOMER SUPPORT		X	X	ARWNP Safety		
	OTHER		X		Environmental Monitoring ^{Chp}		9/17/01
VARIANCE/FCN APPROVED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			REVISION REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				

DISTRIBUTION		
PROJECT MANAGER:	DOCUMENT CONTROL: Michelle Tudor	OTHER:
QUALITY ASSURANCE:	OTHER:	OTHER:
FIELD MANAGER:	OTHER:	OTHER:

ORIGINAL